

STRUCTURE FOR CORRECTING DEFORMATION ERROR OF T DIE LIP DRIVER

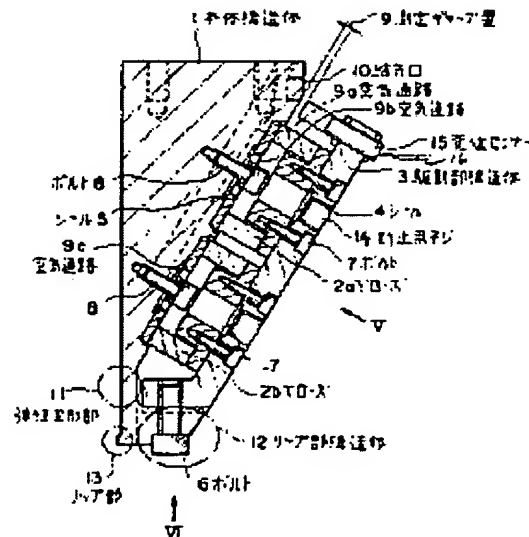
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Abstract of JP2047030

PURPOSE: To accurately control the opening of a lip by elongating upper and lower bellows when compressed air is fed to the bellows to operate a moment from a driver structure to the lip through a lip structure to displace it, and detecting the displaced amount by the user of a displacement sensor.

CONSTITUTION: When compressed air is supplied from an air supply port 10 to bellows 2a, 2b, a moment is, since the axially central mechanical rigidities of the bellows 2a, 2b are lower than that of other structure between a body structure 1 and a driver structure 3, transmitted to an elastically deformed part 11. Since the part 11 has lower mechanical rigidity than those of the structures 1, 3, an elastic deformation occurs, and a lip 13 is moved. This displaced amount is substantially proportional to compressed gas pressure, and the opening of the lip can be arbitrarily controlled by controlling the compressed gas pressure. A displaced distance between the structures 1 and 3 is measured by a displacement sensor 15, fed back to be converted to a gas pressure, thereby correcting the displaced amount of a lip structure 12 due to a resin pressure.



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